

**ABSTRACT**

A process and apparatus for manufacturing fiberglass-reinforced panels are provided. The apparatus includes a guide mechanism and drive mechanism to drive individual elongate molds through a gel coating spraying section and thereafter through an oven to cure the gel coat. The elongate molds are thereafter driven through first and second resin/fiberglass application stations to apply a composite of resin and fiberglass strands. The apparatus also includes a station whereby wooden boards may be placed over the top of the resin and the fiberglass strands, and thereafter to a vacuum station whereby a vacuum can be placed over the wooden boards, such that when a vacuum is drawn on the composite, the resin is drawn into the wooden boards to form an integrated deposit panel.